



- PLANTING NOTES**
- FINE GRADING SHALL BE APPROVED BY ENGINEER PRIOR TO PLANTING OPERATIONS.
  - CONTRACTOR SHALL LAY OUT PLANT MATERIAL PER PLAN AND FACE TO GIVE BEST APPEARANCE OR RELATION TO ADJACENT PLANTS, STRUCTURES OR VIEWS. CONSULT WITH ENGINEER TO OBTAIN APPROVAL PRIOR TO INSTALLATION.
  - PLANT MATERIAL SHALL NOT BE INSTALLED IN AREAS WHICH WILL CAUSE HARM TO ADJACENT STRUCTURES OR OBSTRUCT IRRIGATION SPRAY PATTERN (IF APPLICABLE). NOTIFY THE OWNER SHOULD CONFLICTS ARISE.
  - PLANT LOCATIONS ARE DIAGRAMMATIC AND MAY BE ADJUSTED IN THE FIELD AT THE ENGINEER'S REQUEST PRIOR TO INSTALLATION.
  - FINISH GRADE OF PLANTING AREAS SHALL BE 2" BELOW ADJACENT PAVING. TAPER 4" DEPTH MULCH TOP DRESSING TO 1 1/2" DEPTH AT ADJACENT PAVING.
  - ALL NEWLY PLANTED MATERIAL SHALL BE THOROUGHLY SOAKED WITH WATER WITHIN 3 HOURS OF PLANTING. THOROUGHLY RE-SOAK ALL NEW PLANT MATERIALS ONE WEEK AFTER PLANTING COMPLETION.
  - THIRTY DAYS AFTER PLANTING, CONTRACTOR SHALL RE-STAKE AND STRAIGHTEN TREES AS REQUIRED.
  - CONTRACTOR SHALL THOROUGHLY LOOSEN ANY COMPACTED SUBGRADES PRIOR TO PLACING TOPSOIL, TO A MINIMUM DEPTH OF 4".
  - CONTRACTOR SHALL IMPORT CLEAN TOPSOIL FREE OF WEEDS, RHIZOMES, ROCKS, STICKS, AND OTHER DELETERIOUS MATERIAL. ENGINEER IS TO APPROVE TOPSOIL PRIOR TO INSTALLATION. CONTRACTOR SHALL BRING TO FINISH GRADE WITH 12" MIN. OF TOPSOIL IN ALL LAWN AREAS AND PLANTING BEDS.
  - CONTRACTOR SHALL REMOVE WEEDS, CONTAMINATED SOILS, MISC. WASTE MATERIALS FROM AREA TO BE PLANTED AND SEEDED/SODDED. CONTRACTOR SHALL LOOSEN COMPACTED SUBSOILS BY TILLING AND IMPORTING NEW TOPSOIL AS REQUIRED RESTORING GRADES AND MAINTAINING POSITIVE DRAINAGE AWAY FROM STRUCTURES.
  - DO NOT INSTALL PLANT MATERIAL WHEN AMBIENT TEMPERATURES MAY DROP BELOW 35 DEGREES F OR RISE ABOVE 90 DEGREES F. DO NOT INSTALL PLANT MATERIAL WHEN WIND VELOCITY EXCEEDS 30 MPH. ACCEPTABLE PLANTING DATES SHALL BE AS FOLLOWS:  
SPRING: APRIL 15 - JUNE 15  
FALL: SEPTEMBER 15 - NOVEMBER 1
  - WEED FABRIC (PER SPEC) SHALL BE INCLUDED UNDER ALL AREAS RECEIVING ROCK MULCHING.
  - ALL TREES LOCATED OUTSIDE OF A PLANTING BED TO RECEIVE 4" DEPTH OF SHREDDED HARDWOOD BARK MULCH 3 TIMES THE DIA. OF THE ROOTBALL UNLESS OTHERWISE NOTED. MULCH SHALL BE INCLUDED IN THE PRICE BID FOR EACH TREE.

**LANDSCAPING REQUIREMENTS**

**STREET TREES**  
3 DECIDUOUS TREES ARE REQUIRED FOR EVERY 100 LINEAL FEET OF STREET FRONTAGE:  
EAST: 131.76' - 25.0' (SIGHT TRIANGLE) - 30.0' (ACCESS) - 20' (2-10' ACCESS OFFSETS) = 56.76 / 100 = .5676 \* 3 = 1.70 (2 TREES)  
SOUTH: 319.72' - 50.0' (2 SIGHT TRIANGLES) = 269.72 / 100 = 2.6972 \* 3 = 8.09 (8 TREES)  
WEST: 115.87' - 25.0' (SIGHT TRIANGLE) = 90.87 / 100 = .9087 \* 3 = 2.72 (3 TREES)  
EXISTING 3 THUNDERCHILD CRABAPPLE (MALUS X 'THUNDERCHILD') TREES

**PERIMETER PARKING LOT LANDSCAPING:**  
SOUTH: 4 FEET MINIMUM LANDSCAPING WIDTH; MASONRY WALL, DECORATIVE FENCING OR CONTINUOUS EVERGREEN OR DECIDUOUS HEDGE WITH A MINIMUM HEIGHT OF 3 FEET.  
WEST AND EAST FACING: 6 FEET MINIMUM LANDSCAPING WIDTH; 1 SHADE OR ORNAMENTAL TREE AND 5 SHRUBS FOR EVERY 25 LINEAL FEET OF STREET FRONTAGE.  
WEST: 111.73' / 25 = 4.46 (4 TREES) \* 5 = 22.34 (22 SHRUBS)  
EAST: 84.97' / 25 = 3.39 (3 TREES) \* 5 = 16.95 (17 SHRUBS)

**INTERIOR PARKING LOT LANDSCAPING**  
ALL PARKING LOTS CONTAINING FIFTY (50) OR MORE OFF-STREET PARKING SPACES SHALL PROVIDE INTERIOR LANDSCAPE AREAS WITHIN THE PARKING LOT.

**BUFFER YARD LANDSCAPING**  
N/A

REFERENCE NOTES SCHEDULE						
CODE	DESCRIPTION					
1	INSTALL STEEL EDGING, SEE DETAIL.					
2	INSTALL 1" WASHED LANDSCAPE ROCK OVER LANDSCAPE FABRIC.					
3	SEED TYPE I: CONTRACTOR SHALL PROVIDE AND INSTALL SEED MIX AS FOLLOWS: DIMENSION PERENNIAL RYE           9 PERCENT ADELPHI KENT BLUE               22 PERCENT MERIT KENT BLUE                  8 PERCENT GERONIMO KENT BLUE           14 PERCENT BONANZA TALL FESCUE          24 PERCENT PARADE BLUEGRASS             8 PERCENT ANNUAL RYEGRASS              15 PERCENT CONTRACTOR SHALL APPLY SEED AT A DRILLED RATE OF 20 POUNDS/10,000 SQUARE FEET WITHIN A MINIMUM COVERAGE OF 95 PERCENT. SEED AND SEEDING MIXTURE SHALL BE FREE OF ALL PROHIBITED NOXIOUS WEED SEED AND WILL NOT CONTAIN MORE THAN 1/2 OF 1 PERCENT BY WEIGHT OR RESTRICTED NOXIOUS WEED SEEDS.					
PLANTING SCHEDULE						
SYM	QTY	COMMON NAME	BOTANICAL NAME	TYPE	SIZE	COMMENTS
TREES						
TB	3	Frontyard Linden	Tilia americana 'Ballyard' TM	B & B	1.5"Cal	REQ. BY CITY
TM	2	Harvest Gold Linden	Tilia mongolica 'Harvest Gold'	B & B	1.5"Cal	REQ. BY CITY
MS2	4	Spring Snow Crab Apple	Malus x 'Spring Snow'	B & B	1"Cal	REQ. BY CITY
SS	8	Copper Curls Lilac	Syringa pekinensis 'Sundak'	B & B	1"Cal	REQ. BY CITY
SHRUBS AND PERENNIALS						
CF	14	First Additions Firedance Dogwood	Cornus sericea 'Balladeline'	Cont	#2	REQ. BY CITY
CA2	19	Arctic Fire Dogwood	Cornus stolonifera 'Arctic Fire'	Cont	#2	14 REQ. BY CITY
JB	30	Blue Chip Juniper	Juniperus horizontalis 'Blue Chip'	Cont	#2	5 REQ. BY CITY
JM	7	Medora Juniper	Juniperus scopulorum 'Medora'	Cont	#2	REQ. BY CITY
PO	23	Yellow Ninebark	Physocarpus opulifolius 'Dart's Gold'	Cont	#2	REQ. BY CITY
PG	16	Globe Blue Spruce	Picea pungens 'Glauca Globosa'	Cont	#2	14 REQ. BY CITY
PD	21	Gold Drop Potentilla	Potentilla fruticosa 'Gold Drop'	Cont	#2	8 REQ. BY CITY
RG	18	Green Mound Alpine Currant	Ribes alpinum 'Green Mound'	Cont	#2	
SM	24	Dakota Goldcharm Spirea	Spiraea japonica 'Mertynian' TM	Cont	#2	12 REQ. BY CITY
CK	37	Feather Reed Grass	Calamagrostis x acutiflora 'Karl Foerster'	Cont	#1	

**1 DECIDUOUS TREE PLANTING DETAIL**  
NO SCALE

USE TWO STAKES WITH SEPARATE FLEXIBLE TIES; REMOVE AFTER ONE YEAR  
12 GAUGE GALV. DOUBLE STRAND WIRE @ 120 DEG. INTERVALS - TYP. - SEE SPEC.  
2" FABRIC STRAPPING WITH GROMMETS  
KEEP MULCH AWAY FROM TRUNK BASE AND ROOT COLLAR  
2"-4" LAYER OF WOOD MULCH OVER ROOT BALL AND BACKFILL  
USE NATIVE SOIL TO BACKFILL; NO SOIL AMENDMENTS ARE NECESSARY  
REMOVE BURLAP, ROPE AND WIRE BASKET FROM ROOT BALL  
GENTLY PACK BACKFILL SOIL AROUND BASE OF ROOT BALL TO STABILIZE; ALLOW REST OF BACKFILL TO SETTLE NATURALLY, OR TAMP LIGHTLY  
SET BALL ON UNDISTURBED SOIL TO PREVENT SETTLING  
EXTEND STAKES INTO UNDISTURBED SOIL  
ROOT COLLAR AND TOP OF ROOT BALL SHOULD BE AT GRADE AND ROOT COLLAR EXPOSED  
PLANTING HOLE 3 X ROOT BALL DIA. MINIMUM

**2 SHRUB PLANTING DETAIL**  
NO SCALE

ROCK OR WOOD MULCH - SEE PLANS AND NOTES  
WEED CONTROL BARRIER  
SEED MIX - SEE PLANS AND NOTES  
TOP SOIL  
NATIVE SOIL BACKFILL  
ROTOTILL OR SPADE BED AT FINISHED GRADE TO A DEPTH OF 6". ADD NATIVE SOIL TO BRING BED TO 2" ABOVE FINISH GRADE, THEN WATER TO SETTLE MIXTURE TO APPROX. 1" ABOVE FINISH GRADE  
EDGER - SEE PLANS, NOTES AND DETAIL  
SCARIFY EDGES & BOTTOM OF HOLE PRIOR TO PLANTING  
SHRUB TO REST OF UNDISTURBED SUBGRADE  
PLANTING HOLE 3 X ROOT BALL DIA. MINIMUM

**3 STEEL EDGING DETAIL**  
NO SCALE

TURF ON COMPACTED GRADE  
MULCH OR BED MEDIA PER PLANS  
COMPACTED SUBGRADE  
STEEL EDGING  
TECHNICAL SPECIFICATION:  
LANDSCAPE EDGING SHALL BE 3/4" THICK STEEL, 4" DEEP WITH A BLACK ANODIZED FINISH. SIXTEEN (16) FOOT SECTIONS SHALL BE USED WITH (1) SUBSURFACE STAKE PER (38) INCHES OF EDGING. EDGING SHALL HAVE A MINIMUM OF 2" OF INTERLOCKING OVERLAP BETWEEN SECTIONS. INSTALL PER MANUFACTURER'S SPECIFICATIONS WITH TOP OF EDGING 3/4" TO 1" ABOVE COMPACTED FINISH GRADE. FINISH GRADE TO BE COMPACTED ON EITHER SIDE OF EDGING TO MAINTAIN STABILITY.

APPROVED BY FORESTRY  
12-31-14  
DATE

APPROVED BY PLANNING  
12-31-14  
DATE

SCALE  
20 0 20 40  
FEET

This document(s) was originally issued and sealed by David M. Mayer, Registration Number 13 (Landscape Architect) on 12-04-2014 and the original documents are stored at KLJ, Bismarck, ND. This media should not be considered a certified document.

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NO.	DATE	REVISION

DRAFTED JDL  
REVIEWED DMM  
PROJECT NUMBER 1614483  
ISSUE DATE 12/4/2014

**BNC BANK - NORTHEAST**  
BNC NATIONAL BANK  
BISMARCK, NORTH DAKOTA

**LANDSCAPE PLAN AND DETAILS**

SHEET  
**L1**

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